

# FRONT-END LOADERS

## A. Original Equipment Manufacturer (OEM)

The following OEMs offer noise controls for new front-end loaders. Standard equipment is noted; optional equipment shows cost. Local dealers should be contacted for further details.

Manufacturer	Fully-Treated Cab	Optional Cab (Cost)	Muffler
Caterpillar	X		X
Coyote	X		X
Kawasaki	X		X
Komatsu/Dresser	X		X
Marathon/LeTourneau	X		X
Hitachi	X		X
Fiat-Allis	X		X
O&K Trojan	X		X
Terex	X		X
Unit Rig (Dart)	X		X
VME America	X		X
Case		X (\$8,000-\$10,000)	X
Kobelco		X (\$9,000-\$12,000)	X
Mitsui	smaller models	smaller models (\$8,000)	X
Waldon		larger models (\$4,000-\$5,000)	X
Melroe (Bobcat)		X (\$1,400-\$1,600)	X

"X" indicates product availability.

For older front-end loaders without sound suppressed cabs, retrofit noise may be needed.

## B. Retrofit Noise Controls

The following OEMs offer retrofit noise controls for front-end loaders. Local dealers should be contacted for further details.

Manufacturer	Treated Cab (Cost)
Case	X
Kobelco	X
Mitsui	*
Waldon	**
Melroe (Bobcat)	X

"X" indicates product availability. \*Smaller Models. \*\*Larger Models

Additional retrofit noise controls are available through aftermarket add-on cab kits. ([See Appendix C](#))

Existing cabs should be lined with acoustical material to absorb and/or block-out sound. Material costs may vary with material manufacturers but approximate costs, when purchased in bulk quantities, are as follow:

Absorption	\$3.50 ft <sup>2</sup>
Transmission Loss	\$4.50 ft <sup>2</sup>
Composite	\$7.50 ft <sup>2</sup>

[Appendix B](#) lists sources for purchasing acoustical materials.

### **C. Alternative Technology**

Radio remote control systems are now becoming available for a wide range of equipment. The use of radio remote controls, in conjunction with an appropriate exhaust muffler, can offer substantial noise reductions. A partial listing of manufacturers of radio remote control systems are as follows:

**Black Box, Incorporate**

586 Main Street  
Glen Williams, Ontario L7G 3T6  
Canada  
(905) 873-0141  
(905) 877-1809 (fax)

**Moog Incorporated—Industrial Division**

**Electrohydraulic Servocontrols**  
Department T  
East Aurora, New York 14052  
(716) 652-2000

**Catron, Incorporated**

58 West Shenago Street  
Sharpsville, Pennsylvania 16150-1198  
(412) 962-3571  
(412) 962-4310 (fax)

**Tunnel Radio of America**

33868 Southeast Eastgate Circle  
Corvallis, Oregon 97333-2248  
(541) 758-5637  
(541) 758-1417 (fax)

**Futaba Corporation of America**

4 Studebaker  
Irvine, California 92618  
(714) 455-9888

**Vectran Corporation**

2170 William Pitt Way  
Oakmont, Pennsylvania 15139  
(412) 826-3100

**Joy Mining Machinery**

177 Thorn Hill Road  
Warrendale, Pennsylvania 15086  
(724) 779-4500